

SECRET

DPD-5629-59

18 August 1959

MEMORANDUM FOR: Acting Chief, Materiel Branch, DPD-DD/P

SUBJECT : Substitute Equipment for BC-329-J

1. I have been advised by Headquarters, USAF Communications - Electronics personnel that the BC-329 low frequency beacon was replaced in the Air Force inventory by the AN/URN-5 (fixed station) and the AN/MRN-13 (AACS Mobile Equipment). Both of these equipment are large and cumbersome for this requirement.

(a) AN/URN-5

1. Frequency Range: 200 - 800 kcs.
2. 3 Bands : 200 - 346 kcs.
346 - 543 kcs.
543 - 800 kcs.
3. Power Output: 25 - 400 watts output for A2 and A3 emission.
4. Power Supply Requirements: 3 kva, 115 ac, 60 cycles.
5. Total weight with spares - 6,857 lbs.
6. Cube - 328.1 cubic feet.

(b) AN/MRN-13 (This is a Mobile URN-5)

Pre-fabricated, low frequency homing beacon on a 4-wheel trailer chassis, utilized by AACS mobile squadron. Requires a 10kw power trailer. Trailer is 12 ft. x 7 ft. x 8 ft. Entire unit weights 7,300 lbs.

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2. The above units are much too large and not adaptable to an air transportable situation.

3. [] stated that portable low frequency beacons have been phased out by the Air Force due to the Air Force concentrating on VHF and UHF equipment.

4. AMC was queried as to the possible availability of spare parts for support of the BC-329. AMC replied that there is no support available for spare parts. They have three (3) BC-329 sets available as surplus.

5. I would like to personally check the Headquarters, USAF Directorate of Requirements and the Directorate of Research and Development to determine what the USAF has in the "mill" if anything. This will take another day or two.

SIGMA

MAJOR USAF

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